

TOSHIBA

Satellite® P25 Series Notebook

Feature Model(s):

Satellite P25-S520

P4 3000, 17.0" Wide XGA, 512MB, 80GB, DVD+-R/+RW, Mdm, LAN, Wi-Fi, WinXP Home

Satellite P25-S5201

P4 3000, 17.0" Wide XGA, 512MB, 80GB, DVD+-R/+RW, Mdm, LAN, Wi-Fi, WinXP Pro

Part Numbers

PSP20U-3F68ZV

PSP20U-3F68Z6

Product Highlights

Performance

- Intel® Pentium® 4 processor with HT Technology
- 512MB of Main Memory
- 80GB* hard disk drive

Great Features

- 17.0" Wide XGA active matrix display
- **NVIDIA® GeForce™ FX Go5200**, 64MB DDR video memory
- DVD+-R/+RW drive

Get On-Line

- Integrated V.92/56K modem
- Integrated 10/100 Ethernet LAN
- Integrated **802.11g** Wireless LAN

System Characteristics

CPU (See CPU Performance Disclaimer)**

- Intel® Pentium® 4 processor at 3.00GHz **

L2 Cache

- 512KB Level 2 Cache integrated on die
- 800MHz Processor System Bus Clock Speed (PSB) / Hyper-Threading Technology support

Memory

- 512MB DDR SDRAM (**Expandable to 2048MB**) (*Both slots may be occupied*)
- Expansion memory: 128/256/512/1024MB, 2.5V, SODIMM, PC2100 DDR SDRAM
- Data/Address Bus Width: 64-bit/32-bit
- Intel® 865PE + ICH5 Chipset

Mass Storage/Optical Drive

- **Primary Hard Disk Drive:** 80GB* hard disk drive, 4200rpm, Enhanced IDE (ATA-6) Interface, 9.5mm height, 0.2lbs., Service removable
- **Main Module Bay- DVD+-R/+RW:** ATAPI Interface; Maximum speed (READ): DVD-R (4x), DVD-RW (4x), DVD+R (4x), DVD+RW (4x), CD-R (24x), CD-RW (20x), CD-ROM (24x), DVD-ROM (8x); (WRITE): CD-R (16x), CD-RW (4x), DVD-R (2x), DVD-RW (2x), DVD+R (2.4x), DVD+RW (2.4x)
Compatibility: CD-R (read/write), CD-RW (read/re-write), CD-ROM, DVD-ROM, DVD-R (read/write), DVD-RW (read/re-write), DVD+R (read/write), DVD+RW (read/re-write)
Optional accessories: DVD-ROM, DVD/CD-RW, DVD-R/RW, DVD Multi, FDD, 2nd HDD);
- **2nd Module Bay:** Main Battery; (Optional Accessories: DVD-ROM, DVD/CDRW, DVD Multi, DVD-R/RW, weight saver)
- Software Decoder: InterVideo® (WinDVD™ 4)

Graphics/Video

- **17.0"** Wide XGA TFT active-matrix display****; internal display supports up to 16M colors at 1440 x 900
- **NVIDIA® GeForce™ FX Go5200** graphics controller; 64MB DDR external video memory
- Direct X 9.0 support, OpenGL support
- External Color Support/Refresh Rate: (Depending on CRT)
800 x 600; 60/70/72/75/85/100/120Hz
1024 x 768; 60/70/72/75/85/100/120Hz
1280 x 800; 57/60/70/72/75/85/100/120Hz
1280 x 1024; 60/70/72/75/85/100/120Hz
1440 x 900; 60/70/72/75/85/100Hz
1600 x 1200; 60/70/72/75/85/100Hz
1680 x 1050; 60/70/72/75/85/100Hz
1920 x 1200; 60Hz
1920 x 1440; 60Hz
2048 x 1536; 60Hz

Input Devices

- **Keyboard:** Full sized 85 keys with 12 function keys, 2.7mm key

stroke, 6mm height; Dedicated Windows® & Application keys support; HotKey function; **TouchPad** pointing device.

- **CD Control Function:** Play/Pause, Stop/Eject, Previous, Skip/Next, Mode Control switch (CD/DVD/Digital Audio)
- Toshiba Console button & Instant Access Internet button
- One Touch TV-out button

Expandability

- 2 memory slots (*Both slots may be occupied*)
- 2 PC Card slot supports 2 Type II and 1 Type III

Communications

- Integrated V.92/56K modem; Data and fax support

Due to FCC limitations, speeds of 53kbps are the maximum permissible transmission rates during Download. Actual data transmission speeds will vary depending on line conditions.

- Integrated 10/100 Ethernet LAN
- Integrated 802.11g Wireless LAN

Ports

- RGB (monitor) port
- Parallel port
- 4 Universal Serial Bus ports (**USB 2.0**)
- 2 Infrared port (1 Consumer IR port; 1 FIR port)
- TV-Out (S-Video)
- RJ-45 LAN port
- RJ-11 modem port
- I.Link (IEEE 1394) port
- Secure Digital® (SD) card slot

Physical Description

- Dimensions (LxWxH): 16.4" x 11.5" x 1.8"
 - Weight: 9.9lbs
- LED Indicators: Power, HDD, 2nd HDD (common with Module Bay device), DVD/CDRW, DC-IN, Caps Lock, Arrow, Numeric, Main Battery Charging Status, System Sleep/Suspend Status, SD Card, Wireless Communication (right side)

Sound

- Realtek ALC202 Codec Chip, Software Sound
- 16-bit stereo, Windows Sound System Ver. 2.0; SoundBlaster® Pro compatible (in DOS box only)
- **Built-in harman/kardon Stereo Speakers**
- Direct 3D Sound (supported by sound driver); Hardware acceleration for DirectSound and DirectMusic; Full Duplex and MIDI (play back) support
- Sound Volume (by Dial)
- **Ports:** External Microphone port, headphone port (stereo), Line-in port

Power Supply

- **AC Adapter:** 120W AC Adapter, 100-240V / 50-60Hz frequency (Universal) input voltage, 19V x 6.3A Output.
Dimensions (LxWxH): 5.9" x 2.5" x 1.4"
Weight: 1.38lbs
- **Battery Pack:** 12-cell, rechargeable, removable Lithium Ion (Graphite) battery; 14.8V x 6450mAh
Dimension (LxWxH): 5.9" x 5.1" x 0.9"
Weight: 1.41lbs
- Battery Saver (in WindowsXP): Stand by, HDD Auto Off, Display Auto Off, Hibernation
- **Battery Life:** 2.0H ***

Recharge Time (Off/On): Main Battery– Up to 4Hrs/ Up to 12Hrs
Battery life may vary depending on applications, power management settings and features utilized. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack, see your accessories information that shipped with your computer or visit the Toshiba website at www.toshiba.com

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Security

- Slot for computer lock, HDD and memory (2 screws), Main Battery Pack (sliding lock and sliding latch), Built-in Modem (2 screws), Wireless LAN module (2 screws), Main Module Bay and 2nd Module Bay (both by sliding lock and sliding latch), User Power-on password, Setup Security, Keyboard Lock (by HotKey), Screen Blank (by Hotkey), Screen Saver (by software)

Bios

- ACPI, PnP, VESA, DPMS, DDC, SM BIOS, PCI BIOS support

Operating System

- **Microsoft® Windows XP Home** pre-installed **(P25-S520)**
- **Microsoft® Windows XP Pro** pre-installed **(P25-S5201)**

Additional Software

- **Microsoft® Works**
- **Microsoft® Office OneNote™**
- ArcSoft ShowBiz® Ver 1.3
- Drag'n Drop CD+DVD Software
- InterVideo® WinDVD Creator 2 Platinum
- Toshiba Notebook Maximizer
- Intuit® Quicken® New User Edition 2004
- Norton® AntiVirus™ 2003 – w/3 Month Subscription
- AOL® (3 –Month offer)

AOL OFFER DETAILS: Availability may be limited, especially during peak times. TO AVOID BEING CHARGED A MONTHLY MEMBERSHIP FEE, SIMPLY CANCEL BEFORE THE THREE-MONTH PROMOTIONAL PERIOD ENDS. Premium services carry surcharges and communication surcharges may apply, including AK, even during promotional period. Members may incur telephone charges on their phone bill, depending on their location and calling plan, even during promotional period. Available to new AOL members in the United States, age 18 or older; a major credit card or checking account is required.

- Adobe® Acrobat Reader
- AT&T® Worldnet® Service – 1 Month Free

Telephone access and other charges and other terms and conditions may apply. Offer available to new customers only. Offer expires 4/30/04.

- Microsoft Internet Explorer
- Toshiba Speech System
- QuickTime™ Player
- RealOne™ Player 8 Basic
- Toshiba Custom Utilities
- Toshiba [ConfigFree™](#) Software
- Satellite Series Online Documentation
- [Toshiba Great Software Offer](#): Receive your choice of two software titles. The software selection includes titles from the following categories: productivity, education/reference, creativity and entertainment

Warranty

- 1 year parts, labor and battery

SelectServ® Warranty Programs

| | |
|------------|---|
| SWP-PEQQ3V | Warranty Extension to 3 Years |
| SWP-PEGQ3V | 3 Year SystemGuard |
| SWP-PEQX3V | 3 Year Depot Express |
| SWP-PEGX3V | 3 Year SystemGuard + Depot Express |
| SWP-PEQN3V | 3 Year Business On-Site Repair; Next Day Business Day Response |
| SWP-PEGN3V | 3 Year SystemGuard + Business On Site Repair, Next Business Day Response |

Environmental Specifications

- **Temperature:** Operating: 5° to 35°C (41° to 95°F); Non-operating: -20° to 65°C (-4° to 149°F)
- **Thermal gradient:** Operating: 15°C per hour maximum; Non-operating: 20°C per hour maximum
- **Relative Humidity:** Operating: 20% to 80% non-condensing; Non-operating: 10% to 95% non-condensing
- **Altitude (relative to sea level):** Operating: -60 to 3000 meters; Non-operating: -60 to 10,000 meters
- **Shock:** Operating: 10G; Non-operating: 60G
- **Vibration:** Operating: 0.5G; Non-operating: 1.0G

Product/Part Numbers

| | |
|---------------------|---------------|
| Satellite P25-S520 | PSP20U-3F68ZV |
| Satellite P25-S5201 | PSP20U-3F68Z6 |

Accessories

Selected Toshiba Accessories

| | |
|--------------|---|
| PA3336U-1ACA | Global AC Adapter (120W) |
| PA3291U-1BRS | Primary Battery Pack (12 cell) |
| PA3109U-1FDD | USB Floppy Disk Drive |
| PA3133U-1H40 | 2nd HDD 40GB |
| PA3204U-1H60 | 2nd HDD 60GB |
| PA3230U-1H80 | 2nd HDD 80GB |
| PA3292U-1ETC | Modular Bay HDD Adapter |
| PA3271U-1BTM | Bluetooth SD Card II |
| PA3227U-1ETC | WRC-1000 Wireless Cable/DSL/Ethernet Router |
| NWDEFCL | PORT-NoteWorthy DEFCON Cable Lock |
| PA1337U-1NMS | Toshiba USB Optical Scroller Mouse |
| PA1336U-1NKB | Toshiba USB Keyboard |

Kingston Memory

| | |
|-------------|----------------------------|
| KTT3311/256 | Kingston 256MB Memory |
| KTT3311/512 | Kingston 512MB Memory |
| KTT3311/1G | Kingston 1GB Memory Module |

SD (Secure Digital) Memory

| | |
|------------|---------------|
| SD-M3203B3 | 32MB SD Card |
| SD-M6403B3 | 64MB SD Card |
| SD-M1283B3 | 128MB SD Card |
| SD-M2564B3 | 256MB SD Card |
| SD-M5124B3 | 512MB SD Card |

Cases

| | |
|--------------|--------------------------------------|
| PA1323U-1NCS | Toshiba Roller/BackPack |
| CPT400 | Targus Platinum Deluxe Notebook Case |

CMS Storage Devices

| | |
|--------------|---|
| ABSPLUS-80.0 | CMS ABSplus 80GB PCMCIA Automatic Backup System |
| UABS2-80.0 | CMS ABSplus 80GB USB 2.0 Automatic Backup System |

* Go to www.accessories.toshiba.com for additional, available accessories

* GB = 1 Billion Bytes

** Central Processing Unit ("CPU") Performance Disclaimer:

CPU performance in your computer product may vary from specifications under the following conditions:

- use of certain external peripheral products
- use of battery power instead of AC power
- use of certain multimedia games or videos with special effects
- use of standard telephone lines or low speed network connections
- use of complex modeling software, such as high end computer aided design applications
- use of computer in areas with low air pressure (high altitude >1,000 meters or >3,280 feet above sea level)
- use of computer at temperatures outside the range of 5°C to 35°C (41°F to 95°F) or >25°C (77°F) at high altitude (all temperature references are approximate).

CPU performance may also vary from specifications due to design configuration.

Under some conditions, your computer product may automatically shut-down. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid risk of lost data, always make back-up copies of data by periodically storing it on an external storage medium. For optimum performance, use your computer product only under recommended conditions. Read additional restrictions under "Environmental Conditions" in your product Resource Guide. Contact Toshiba Technical Service and Support for more information.

**** **TFT Display Disclaimer:** Small bright dots may appear on your TFT display when you turn on your PC. Your display contains an extremely large number of thin-film transistors (TFT) and is manufactured using high-

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precision technology. Any small bright dots that may appear on your display are an intrinsic characteristic of the TFT manufacturing technology.

Return Policy

TAIS does not accept the return of component parts, or bundled software, which have been removed from the PC system. Pro-rata refunds on individual PC components or bundled software, including the operating system, will not be granted. If you wish to return a complete PC system, contact the TAIS dealer where you purchased the product, and comply with the dealer's standard return policies and procedures.

Subject to Change

While Toshiba has made very effort at the time of publication to ensure the accuracy of the information provided herein, product specifications, configurations, prices, system/component/options availability are all subject to change without notice. For the most up-to-date product information about your computer, or to stay current with the various computer software or hardware options, visit Toshiba's Web site at pcsupport.toshiba.com

*** Business Winstone® 2002 BatteryMark™ Version 1.0

These models achieved the battery life times shown using Ziff Davis Media Inc.'s Business Winstone® 2002 BatteryMark™ Version 1.0. These tests were performed without independent verification by the VeriTest testing division of Lionbridge Technologies, Inc. ("VeriTest"). Neither Ziff Davis Media Inc. nor VeriTest makes any representations or warranties as to the results of the tests. Winstone® is a registered trademark and BatteryMark™ is a trademark of Ziff Davis Publishing Holdings Inc. in the U.S. and other countries. Copyright 2002 Ziff Davis Media Inc. All Rights Reserved. All products used in the tests were shipping versions available to the general public. The battery life results were achieved running the Business Winstone® 2002 BatteryMark™ Version 1.0 on the following system parameters. System parameters were set according to Ziff Davis Media Inc.'s recommendations.

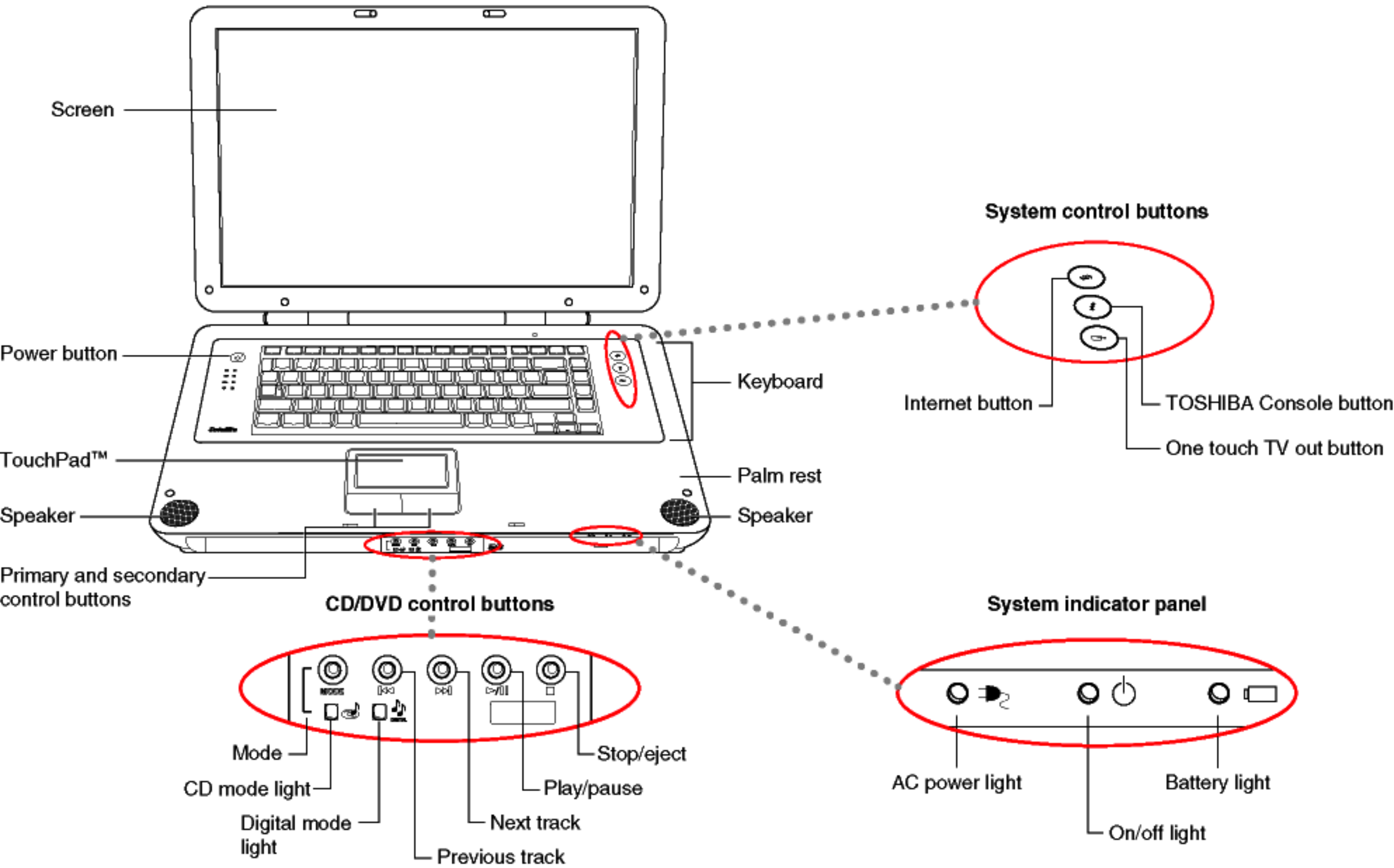
"Business Winstone 2002 BatteryMark Version 1.0" Score

P42.8G(800MHz) w/HT,17"WXGA,256MB+256MB,60GB(4200rpm),DVD-R/-RW,1394/FIR,802.11b(Agere),
No BT Antenna, NNVIDA(32MB), 12cell, harman/kardon, WinXP

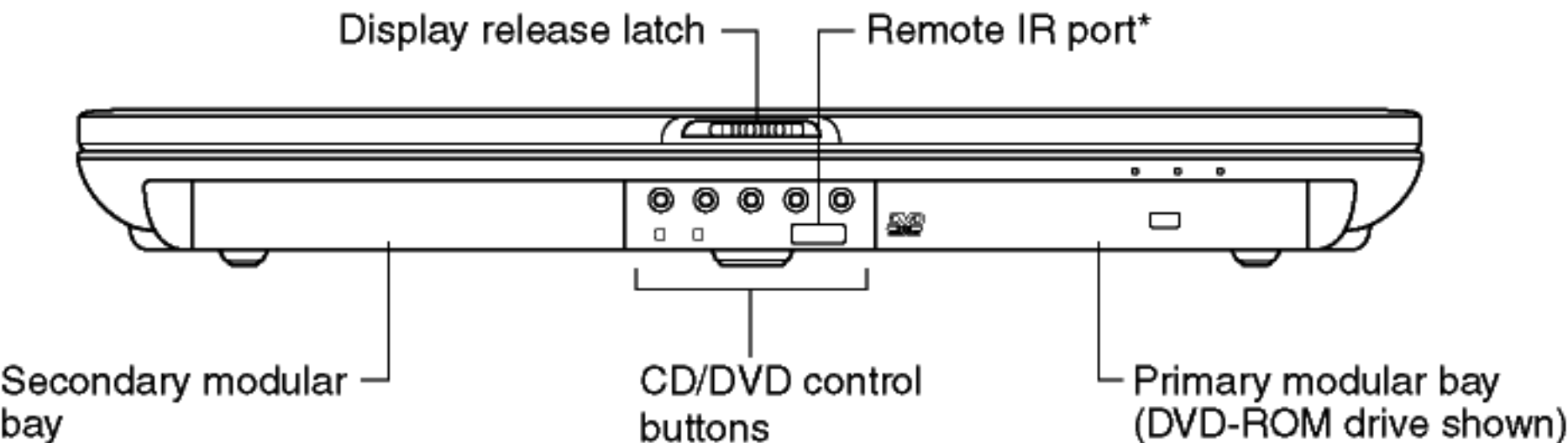
| | | |
|--------------|------------------------------|------|
| Battery Life | Catalog Spec (1st) | 2.0H |
| | (1st+2nd) | - |
| | Number of Conditioning Phase | 1 |
| | Life Test Run | 2 |

| | | | |
|---|---|----------------------|--|
| A | CPU Name | | Intel® Pentium®4 Processer |
| | Processor info | speed | 2.8GHz |
| | | number of processors | 1 |
| | amount of RAM | | 512MB |
| | Amount of secondary RAM cache | | 512KB |
| B | Battery | type(1st) | Li-Ion |
| | | | 14.8Vx6450mAh(12cell) |
| | | model number(1st) | PA3291U-1BAS/1BRS |
| | | type(2nd) | - |
| | | | - |
| | | model number(2nd) | - |
| C | number of batteries | | 1st=1 , 2nd=0 |
| | Graphics | | NVIDIA GeForce FX Go5200 |
| | amount and type of RAM | | 32MB |
| | | | DDR |
| | graphics driver name and version | | nVIDIA Display Driver |
| D | graphics resolution and color depth, refresh rate | | 17"Wide 1440x900/32bit/60Hz |
| | hard disk capacity | | 60GB (4200rpm) |
| | hard disk file system & transfer mode+C15 | | Enhanced IDE(ATA-5) |
| | hard disk controller model | | Intel® 82801EBM |
| E | size of hardware cache if any | | - |
| | operating system version, service pack | | Windows XP Professional Sevice Pack 1 |
| | other special conditions | | N/A |

Front with display open

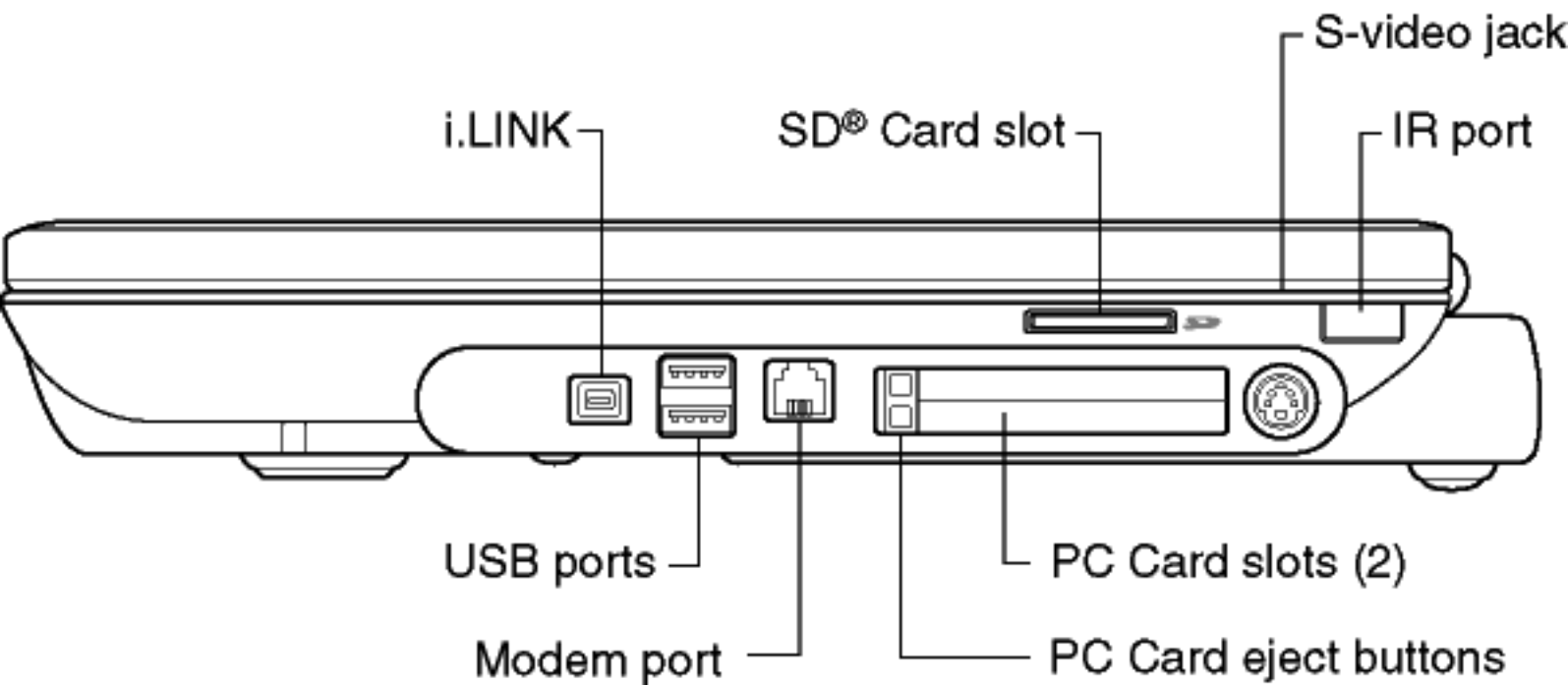


Front with display closed

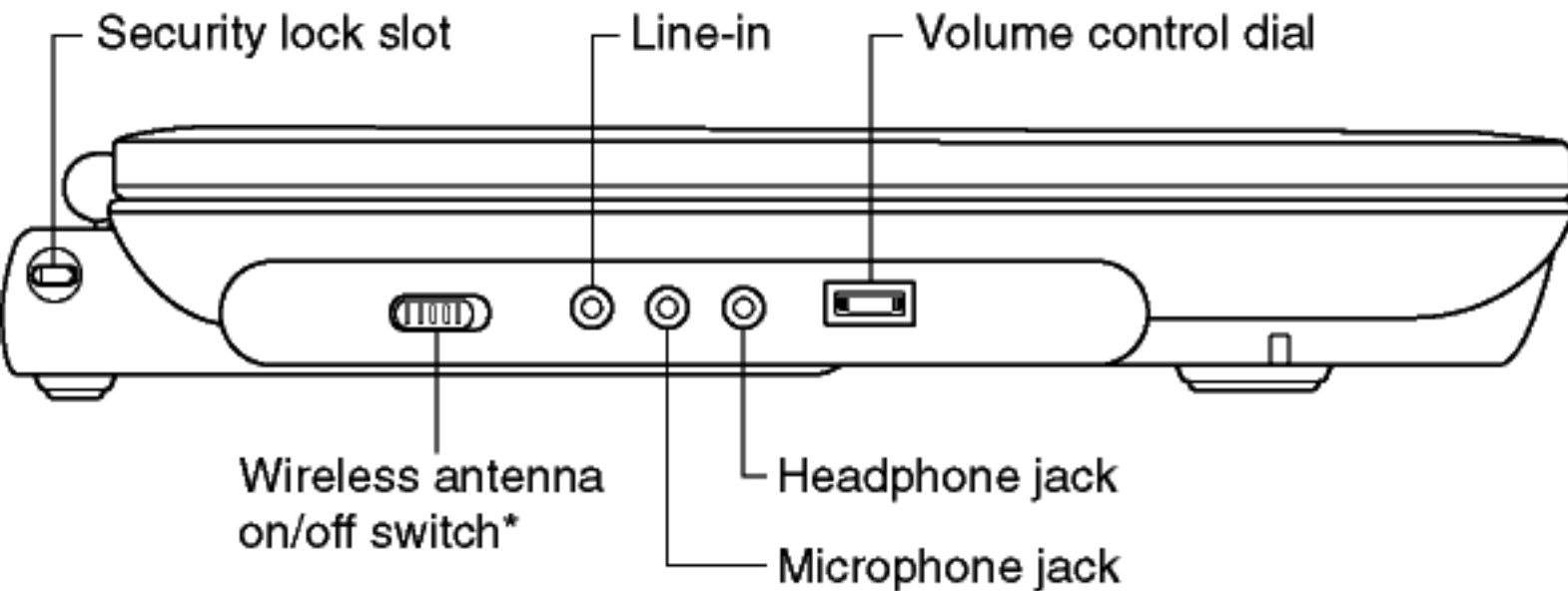


*Functional only on systems with Toshiba remote control.

Right side

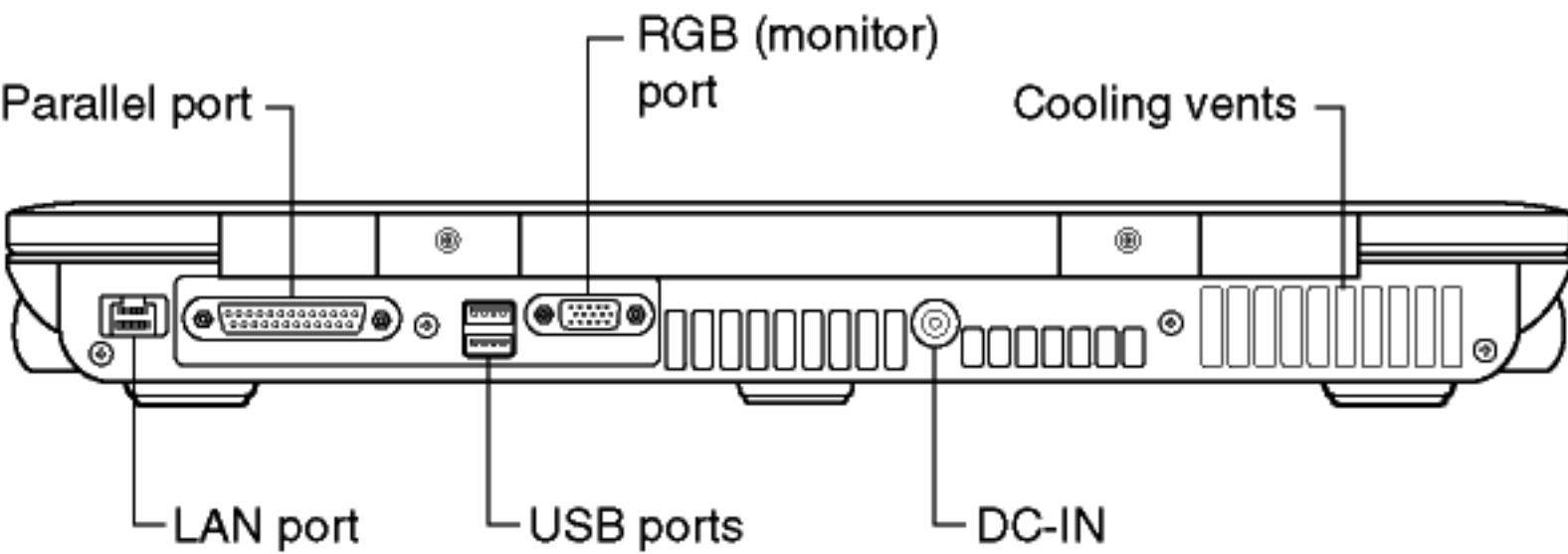


Left side

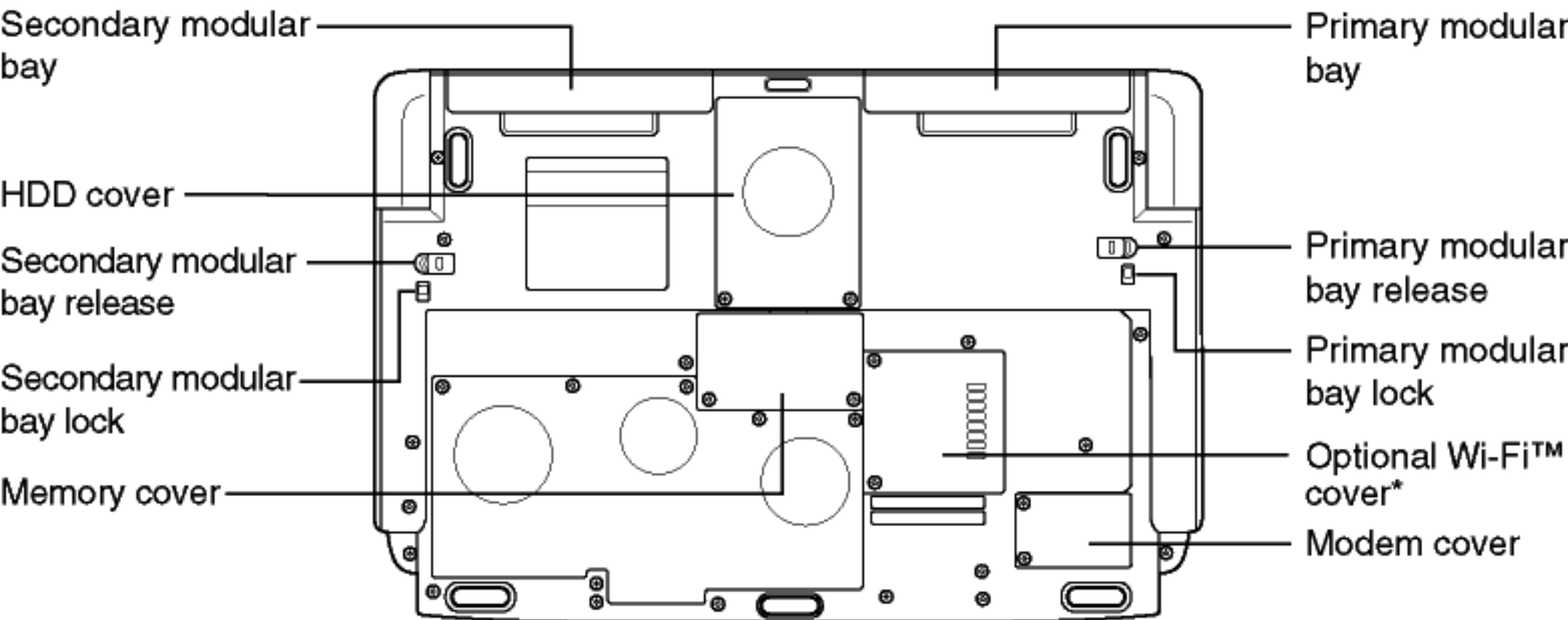


*Functional only on systems with wireless module installed.

Back



Underside



*Functional only on systems with wireless module installed.